WBLE-SL ► UECM1404-202301-EZZ ► Quizzes ► 202301UECM14040E2b ► Review of preview  Update th							
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202301UECM14040E2b							
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Review of preview							
	Saturday, 4 March 2023, 06:00 PM						
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	me taken 8 secs  Grade 0 out of a maximum of 10 (0%)						
Grade	C dat of a maximum of 10 (C /s)						
<b>1</b> 🕏 Marks: 1	Find the PV of an annuity with payme	Find the PV of an annuity with payments of 1500 at the beginning of every 3 years for 18 years at 5% effective per annum, in terms of interest functions at 5%.					
	Answer:	X X					
	Make comment or override grade						
	Incorrect						
	Correct answer: 6438.77  Marks for this submission	. 0/1					
	Marks for this submission	. 0/1.					
<b>2</b> 🕏 Marks: 1		The proceeds of a 20,000 death benefit are left on deposit with an insurance company for seven years at an annual effective interest rate of 6%. The balance at the end of seven years is paid to the beneficiary in 156 equal monthly payments of X, with the first payment made immediately. During the payout period, interest is credited at an annual effective interest rate of 4%. Calculate X.					
	Answer:	x					
	Make comment or override grade						
	Incorrect						
	Correct answer: 245.674359						
	Marks for this submission	: 0/1.					
<b>3</b> ☑ Marks: 1	<ul> <li>Payments of 2 at the end of see</li> </ul>	st year and every three years thereafter. cond year and every three years thereafter. ird year and every three years thereafter.					
	The interest rate is 12% convertible semiannually. Calculate the present value of this perpetuity						
	Answer:	<b>x</b>					
	Make comment or override grade						
	Incorrect						
	Correct answer: 15.554778						
	Marks for this submission	: 0/1.					
4 🗑 Marks: 1	You ara given $\delta_t$ = 4/(57+t) for 0 $\leq$ t	$\leq$ 5. Calculate $s_{S }$					
	Answer:						

Make comment or override grade Incorrect Correct answer: 5.732523 Marks for this submission: 0/1.						
<b>5</b> 🗹 Marks: 1	Jenny receives 11-year incresing annuity-immediate paying 500 the first year and increasing by 500 each year thereafter. Matt receives a 11-year decreasing annuity-immediate paying Y the first year and decreasing by Y/11 each year thereafter. At an effective annual interest rate of 11%, both annuities have the same present value> Calculate Y.					
	Answer:	<b>X</b>				
	Make comment or override grade Incorrect Correct answer: 3900.113763					
	Marks for this submission	1: 0/1.				
<b>6 ≥</b> Marks: 1		alues. The first is an annuity-immediate with quarterly payments of X for 12 years. The second is an increasing-annuity with 12 annual payments. The first payment is 700 and subsequent payments increase annual effective interest rate of 7%. Determine X.				
	Answer:	<i>X</i>				
	Make comment or override grade Incorrect Correct answer: 250.803241 Marks for this submission	n: 0/1.				
<b>7</b> 🕝 Marks: 1	An-annuity-immediate pays 19 at th of this annuity-immediate.	e end of years 1 and 2, 18 at the ends of years 3 and 4, etc, with payments decreasing by 1 every second year, until nothing is paid. The effective annual rate of interest is 6%. Calculate the present value				
	Answer:	x				
	Make comment or override grade Incorrect Correct answer: 196.553243					
	Marks for this submission	1: 0/1.				
<b>8</b> 🕏 Marks: 1	Bob purchases an increasing perpetu	uity with payments occuring at the end of every 2 years. The first payment is 1, the second one is 2, the third one is 3, etc. The price of the perpetuity is 150. Calculate the annual effective interest rate.				
	Answer:	<b>X</b>				
	Make comment or override grade Incorrect Correct answer: 0.041658					
	Marks for this submission	1: 0/1.				
_						
9 👺 Marks: 1	Chass deposits 340 per month begin years	nning one month from now. The monthly deposits increases by 8% every two years. At a nominal interest rate of 12% convertible monthly, calculate the accumulated value of the deposits at the end of 26				
	Answer:	X X				
	Make comment or override grade Incorrect Correct answer: 946343.41203	a. 0/1				
	Marks for this submission	1. 0/1.				

	You are given:					
	<ul> <li>The force of interest at time t is 1100t<sup>3</sup>.</li> <li>R is the present value of of a 6 year continuously increasing annuity which has a rate of payment of 800t<sup>3</sup> at time t.</li> </ul>					
	Calculate R					
	Answer:		] <i>x</i>			
	Make comment or override grade					
	Incorrect Correct answer: 0.727273 Marks for this submission	0/1.				

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